Date:

Tuesday, 9/18/2007 9:11:39 AM

User:

Chantal Lavoie

Process Sheet

KJ/RF

Customer

: CU-DAR001 Dart Helicopters Services

Job Number **Estimate Number** : 34694 : 10058

P.O. Number

= 14 =

This Issue Prsht Rev.

: 9/18/2007

: NC

First Issue 34016 **Previous Run**

Written By

Checked & Approved By

Comment

S.O. No. : 4)A

: PURCHASED PARTS

: Est. New Issue **Drawing Name**

: STEP EXTRUSION

Part Number

: D2622120C

Drawing Number Project Number

D2622 REV C1 : N/A

Drawing Revision

: C1

Material Due Date

A/A : 10/5/2007

Qtv:

132 Um:

Each

Additional Product

Job Number:



Sea. #:

Description:

(207/09/18

PURCHASING

1.0



Comment: PURCHASING

Issue P/O:

- a) Extrude as per Dwg D2622 Rev. C
- b) Material: 6061-T6 (QQ-A-200/8)
- c) Minimum yield tensile strength = 35 ksi
- d) Minimum ultimate tensile strength = 38 ksi
- e) Minimum elongation = 8%
- f) Order at 120" longg) Bon L Canada Inc. tool # 897123 Rev. A
- h) To be packed per DSK 066
- i) Pull test to ASTM standard B221 required.
- j) Material certification is required

2.0

D2622120CP

Extrusion







1.0000 Each(s)/Unit Total: 132.0000 Each(s)



Comment: Qty.:

Extrusion

3.0

PACKAGING

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Receive & Inspect For Transit Damage

Ensure material certification is attached



4.0

QC6



Q68019

Comment: DIMENSIONAL CHECK

Inspect dimension per Dwg D2622

Check Pull test per Dwg D2622 for compliance page attached

Check hardness with Webster tester

So Aloulas

Dart Aerospace Ltd

W/O: WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
-								
						:	(4)	÷
					11)			
				:				
							:	***

Part No:	_ PAR #:	Fault Category:	NCR: Yes No DQA:	Date: 07/25/26
			QA: N/C Closed: _	Date:

NCR:			WORK ORDI	ER NON-CONFORMAN	CE (NCR)					
		Description of NC		Corrective Action Section B			A	Annewal		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspecto		
							i			
							1			
							į			
							110			

NOTE: Date & initial all entries

Date:

Tuesday, 9/18/2007 9:11:39 AM

User:

Chantal Lavoie

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: STEP EXTRUSION

Job Number: 34694

Part Number: D2622120C

Job Number:



Seq. #:

Machine Or Operation:

Description:

5.0

PACKAGING 1

PACKAGING RESOURCE #1

Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:

FINAL INSPECTION/W/O RELEASE

QC21 6.0

Comment: FINAL

Job Completion



INSPECTION/W/O RELEASE

W A-09-26

Dart Aerospace Ltd

W/O:			WO	RK ORDER CHAN	GES				1	
DATE	STEP	PR	OCEDURE CHAI	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Categ	jory:	NCR	: Yes !	No DQ	A:	Date: _	
						QA: N/	C Close	d:	_ Date: _	
NCR:				R NON-CONFORM		(NCR)		40	
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Se Action Description Chief Eng	ction B	Sign & Date	Verific Section		Approval Chief Eng	Approval QC Inspector
									í ,	

NOTE: Date & initial all entries





DESIG	N KE	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHEC	KED W	APPROVED	DRAWING NO. REV. C
	#	9	D2622 SHEET 1 OF 1
DATE			TITLE SCALE
02.0	09.11		STEP EXTRUSION 1:1
Α		96.11.29	NEW ISSUE
В		97.12.12	CHANGE MATERIAL, ADD TOL. QSI
С		02.09.11	0.080 WAS 0.085; ADD PART & DIE No.
CI	# 11	02.10.04	ADD 'REV. A' TO DIE NUMBER.



			7.00	7
-	3.0	00		
			R0.285	
0.958	,		0.080	
<u> </u>		_	0.080	
2.500	1			
		/	R2.085	
60	.4·		0.248	(REF)
) (Ri			, >	
	1.19	· ·	► R0.585	
	1.874	(REF) —		

D2622-XXX STEP EXTRUSION

- 1.) PART NUMBER IS D2622-XXX WHERE 'XXX' IS CUT LENGTH IN INCHES (EG. D2622-120 IS 120" LONG)
- 2) MATERIAL 6061-T6 (QQ-A-200/8)
 3) MANUFACTURED USING BON-L DIE # 897123 REV. A
- 4) A SAMPLE FROM EACH BATCH WILL BE PULL TESTED TO ASTM STANDARD B221 BY AN APPROVED TESTING FACILITY TO ENSURE THAT THE BATCH MEETS THE MINIMUM MECHANICAL PROPERTIES STATED BELOW:

MINIMUM TENSILE YIELD STRENGTH = 35 ksi MINIMUM ULTIMATE TENSILE STRENGTH = 38 ksi MINIMUM ELONGATION = 8%

- 5) PART IS SYMMETRIC ABOUT CENTERLINE
- 6) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED 7) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

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W10: 34694 CL07109118

DUN L CANADA INC.

00046024

INVOICING COMPANY AND LOCATION BUREAU DE FACTURATION

SHIPPING MANIFEST **BORDEREAU D'EXPEDITIOI**

THE WILLIAM L. BONNELL COMPANY, INC. BON L MANUFACTURING COMPANY SUBSIDIARIES OF TREDEGAR CORPORATION FILIALES DE LA CORFORATION FREUEGAR

COTH

270 ABERDEEN ST.

SHIP TO/EXPÉDIÉ À

AWKESBURY

6A 1K7



BON L CANADA INC 500 FIWARD AVENUE RICHMOND HIL ON

ON

MM

L4C 4Y9

MANIFEST NUMBERIN' D'EXPÉDITION THESE NUMBERS ON ALL CORRESPONDENCE. SALES ORDER NUMBER/N° DE COMM.

MANIFEST DATE/DATE D'EXPÉDITION

ART AEROSPACE LTD.

SOLD TO/VENDU À DART AEROSPACE LTD. 1270 ABERDEEN ST.

HAWKESBURY K6A 1K7

水水水水水 *O\P* 本本本本本

CREDIT REP REP. DU CRÉDIT HAMBROOK, PAU

REFER TO

RÉFÉREZ-VOUS À CES

NUMEROS POUR TOUTE

CORRESPONDANCE.

9054508-3250

SALES REP REP. DES VENTES

REP. SERVICE CLIENTÈLE Burton D 905-427-2227

UNIT

QUANTITY DUE QUANTITÉ PRÉVU

48 PC

48 PC

54 PC

150

LOC/USINE TRAILER NO./N° DE REMORQUE SALESMAN/VENDEUR FIELD SALES REP CUST SERVICE REP HONE 613-632-5200 REP. RÉGIONAL DES VENTES PHONE 613-632-5200 RIH STOMER ID/N° DU CLIENT ORDER DATE DATE DE LA COMMANDE CUST. P.O. NO./N° DE COMM. DU CLIENT JOB/PROJET 59358 Kutter A BILL OF LADING NUMBER/N° DE CONNAISSEMENT 450-435-6551 09/18/07 4609 00358189 MFG. PART NUMBER N° DE PIÈCE DU FOURNISSEUR ALLOY & TEMPER ALLIAGE & TREMPE **PREVIOUS** FINISH DESCRIPTION
DESC. DE LA FINITION ORDER QUANTITY UNIT QTE COMMANDÉE UNITÉ SHIPPED OTY. THIS SHIPMENT/CETTE EXPEDITION LENGTH FABRICATION DESCRIPTION CUSTOMER PART NUMBER LONGUEUR **EXPÉDIÉE** NO. PKGS. N° DE PAQUETS NUMÉRO DE PIÈCE DU CLIENT CUTTING TOLERANCE TOLERANCE DE COUPE GROSS WT. POIDS BRUT SHIPPING TOLERANCE TOLERANCE D'EXPÉDITION NET WT. KG DAA-897123-1 5061 /T6 MILL 652 635. KG 0 D2622 120" CERTIFICATE OF COMP 132 PC 457 . 20 +3/16 (+015-015,0151-0112) 150 - () 11 DETAIL: LOT/TICKET B6881010 / 177688 209 204 86881010 / 177689 1 209 204 66881010 / 177691 234 227

TURN MATERIALS WILL BE ACCEPTED FOR CREDIT WITHOUT PERMISSION N RETOUR DE MATÉRIEL NE SERA ACCEPTÉ POUR CRÉDIT SANS AUTORISATION

CUSTOMER CLIENTAGE

DATE OF DELIVEDY/DATE DE LA DATE

652 0.35 457.20 TOTALS/TOTAUX



BON L CANADA INC

500 EDWARD AVENUE RICHMOND HILL, ON L4C 4Y9

CERTIFICATE OF COMPLIANCE

Cart Date	Cert No	Sales Order	Page
09/21/07	166430	86881	1
Care: 20	B/L No		Date
4609	00358189	86881010	9/21/07

Sold To 46024 Ship To

DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY, ON K6A_1K7 DART AEROSPACE LTD.
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

tem No	Part No I	tem Description		Cust Pert
1.000	DAA-897123-1	120" Mill 6061 T6		D2622
Gross Weight	652 KG	S		
Net City	635 KG	150 PC	457 M	3 PKG

Specification Die Desc

AMS-QQ-A-200/8 & ASTM B221-00

Mechanical Tests: Test Tensile Yield Conductivity Drift HREW No. MPA / KSI MPA / KSI %Elongation 93 311.1 / 45.1 293.8 / 42.6 10.0 Chemical Analysis: ZR OTHER .05 .007 .02 .000 .05 .07 .000 .009 . . 66 .24 .28 .89

This will certify that the material described herein has been inspected and tested in accordance with Bon L Canada's standard sampling and testing procedures or in accordance with the requirements of any specifications forming a part of the material description to the extent indicated herein. Data of chemical composition for the material and test results from samples representative of the material are set forth above hereof or in any attachments hereto. This information shows that the material meets the applicable requirements. Inspection and test records are maintained on file. This certificate shall be deemed apart of and subject to the terms and conditions of warranty set forth on the reverse side of our order acknowledgement form. No other warranties are applicable.

D. VanBakel, QA Manager Signed for Bon L Canada

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